



This document includes Appendix A: Adjustment of Cost Estimates to 1999 \$ MCM Representative Vessel Class, of the Draft EPA Report "Surface Vessel Bilgewater/Oil Water Separator Feasibility Impact Analysis Report" published in 2003. The reference number is: EPA-842-D-06-019

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Feasibility Impact Analysis Report
Surface Vessel Bilgewater/Oil Water
Separator

Appendix A: Adjustment of Cost Estimates to 1999 \$ MCM
Representative Vessel Class

2003

Appendix A – Adjustment of Cost Estimates to 1999 \$

MCM Representative Vessel Class

Cost Estimate Description	Estimate Base-Year	Estimate in Base-Year \$	Price Adjustment Factor¹	Estimate Adjusted to 1999 \$	Estimate (Adj) in Sig.Figs.
Centrifuge Procurement Cost	2000	6,750	.966	6,520.5	6,520
Centrifuge Installation Cost	2000	84,000	.966	81,144	81,000
Centrifuge Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Centrifuge Technical Drawing Cost	2000	23,000	.966	22,218	22,000
Centrifuge Training Material Cost	2001	10,000	.933	9,330	9,330
Hydrocyclone Procurement Cost	2000	5,800	.966	5,602.8	5,603
Hydrocyclone Installation Cost	2000	82,000	.966	79,212	79,000
Hydrocyclone Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Hydrocyclone Technical Drawing Cost	2000	23,000	.966	22,218	22,220
Hydrocyclone Training Material Cost	2001	10,000	.933	9,330	9,330
Filter Media Procurement Cost	1997	15,000	1.045	15,675	16,000
Filter Media Installation Cost	2000	72,000	.966	69,552	70,000
Filter Media Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Filter Media Technical	2000	23,000	.966	22,218	22,220

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Cost Estimate Description	Estimate Base-Year	Estimate in Base-Year \$	Price Adjustment Factor¹	Estimate Adjusted to 1999 \$	Estimate (Adj) in Sig.Figs.
Drawing Cost					
Filter Media Training Material Cost	2001	10,000	.933	9,330	9,330
Filter Canister Replacement Cost	1997	7,000	1.045	7,315	7,300
UF Membrane Procurement Cost	1999	200,000	1.0	200,000	200,000
UF Membrane Installation Cost	2000	207,000	.966	199,962	200,000
UF Membrane Technical Manual Cost	1999	85,000	1.0	85,000	85,000
UF Membrane Technical Drawing Cost	2000	41,000	.966	39,606	39,610
UF Membrane Training Material Cost	2001	10,000	.933	9,330	9,330

1. Consumer Price Index - All Urban Consumers, not seasonally adjusted, U.S. city average, all items. Data extracted on May 23, 2001 from Bureau of Labor Statistics <<http://stats.bls.gov/cpihome.html>>.